

ABSTRACT

An image processing apparatus has a trigger receiving section for receiving an external trigger and a trigger generation section including a timer. When a trigger from the outside is inputted, in synchronization with this trigger, the timer of the trigger generation section operates and a predetermined number of internal triggers are generated at predetermined intervals. After each image pickup data picked up by the external trigger and the internal triggers is processed by an image processing section statistical processing is internally performed by a statistical processing section and the maximum value, the minimum value, the average value, etc. of variations in the workpiece are calculated and the results are outputted.